BookletChartTM



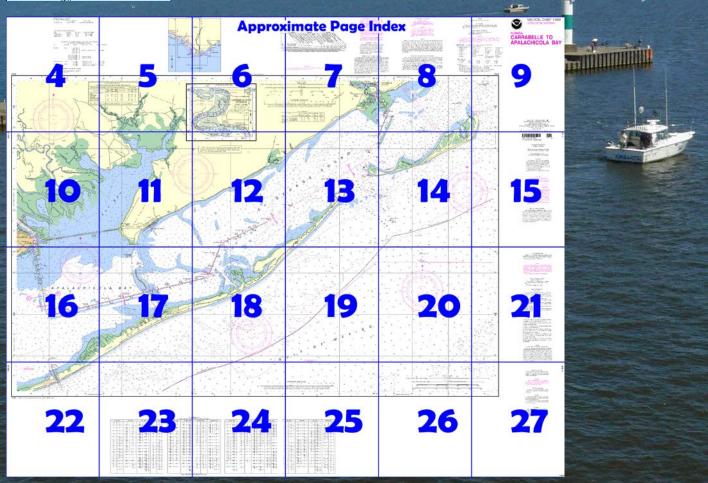
Intracoastal Waterway – Carrabelle to Apalachicola Bay

NOAA Chart 11404

A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=114 <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd/searchbychart.php?chart=114 <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd/sea



[Coast Pilot 5, Chapter 9 excerpts].
Carrabelle Harbor. The principal entrance to the harbor and the sound is through East Pass between Dog and St. George Islands, 31 miles SW of St. Marks Light. Carrabelle is a small town at the mouth of the river that has several seafood processing plants. (58) Carrabelle River. River currents are rather strong on the ebb. A highway bridge with a clearance of 40 feet crosses the river 0.5 mile above the turning basin. Shoaling to an unknown extent was

reported between Carrabelle River Buoy 1 and Daybeacon 3. A visible wreck was reported about 1 mile S of Carrabelle Channel Light 13 in about 29°47'35.8"N., 84°39'57.7"W.

The channels are marked by lighted ranges, a light, lighted and unlighted buoys, and daybeacons. A **022°**24' lighted range leads through the harbor channel, and a **324°** lighted range leads into the river entrance. In heavy seas, deep-draft vessels should stay in depths of 30 to 40 feet until Carrabelle Channel Lighted Bell Buoy 2 is picked up. A submerged object, covered 15 feet, was reported in the vicinity of the bell buoy. **Anchorages.**—Vessels may anchor in St. George Sound behind the W end of Dog Island in depths of about 20 feet and to the NW of the E end of St. George Island in depths of 18 to 20 feet. At these anchorages, vessels with good ground tackle can safely ride out any gale except a hurricane. Small boats can anchor closer inshore behind the hook at the E end of St. George Island or at various points in the sound where depths are suitable.

Tides and currents.—At East Pass and Carrabelle the tidal currents are strong, sometimes having a velocity of 3 to 4 knots, and ordinarily at least 1 knot. They usually set across the shoals at an angle with the channel, and great care should be taken not to be set toward the shoals on either hand.

Wharves.—A town wharf, several fish wharves, and service wharves with reported depths of 7 to 15 feet alongside are along the waterfront. There is a tie-up berth for barges on the S bank of the river opposite the town.

Small-craft facilities.—A marina and a boatyard are at Carrabelle. Berths, gasoline, diesel fuel, water, ice, marine supplies, motor and radio repairs, and launching ramps are available at the marina.

Dangers.—A fan-shaped test firing area, marked by unlighted buoys, is centered about 4 miles S of the abandoned lighthouse on Little St. George Island. (See 334.650, chapter 2, for limits and regulations.)

Dangers.—A restricted area of Tyndall Air Force Base is close W of Government Cut. (See 334.670, chapter 2, for limits and regulations.)

Caution.—The Apalachicola River entrance lighted range is partly obstructed by the highway bridge. The front range is a flashing light suspended below the bridge deck in the third bent W of the swing span and is difficult to see from the channel entrance. The rear range shows above the bridge deck, but may be difficult to identify in the daytime if vessels with tall masts are docked at the wharves north of the bridge. On the sides of the channel are ruins of wooden jetties extending 2

Pilotage.—Pilots are not available, but local fishing guides can be hired as pilots for the adjacent waters and the Gulf.

There is a public hospital in Apalachicola.

miles S of the highway bridge.

Agricultural quarantine officials are stationed in Pensacola. (See Appendix A for address.)

Note: Mariners are required by the U.S. Army Corps of Engineers to contact Panama City area office by telephone (904-785-5881) for controlling depths and river channel conditions before entering the Apalachicola, Chattahoochee, and Flint Rivers system. Failure to comply with this requirement will result in the Corps of Engineers refusing to permit completion of passage by any tow in violation.

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC New Orleans

Commander 8th CG District

New Orleans, LA

(504) 589-6225

2

HEIGHTS

Heights in feet above Mean High Water.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.759" northward and 0.332" eastward to agree with this chart.

All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.

INTRACOASTAL WATERWAY AIDS

The U.S. Aids to Navigation System is designed for use with nautical charts, and the exact

meaning of an aid to navigation may not be clear meaning of an aid to navigation may not be clear unless the appropriate chart is consulted. Aids to navigation marking the Intracoastal Waterway exhibit unique yellow symbols to distinguish them from aids marking other water-

ways.
When following the Intracoastal Waterway
westward from Carrabelle, FL to Brownsville, TX,
aids with yellow triangles should be kept on the
starboard side of the vessel and aids with yellow squares should be kept on the port side of the

A horizontal yellow band provides no lateral information, but simply identifies aids to navigation as marking the Intracoastal Waterway.

Mercator Projection Scale 1:40,000

North American Datum of 1983 (World Geodetic System 1984)

SOUNDING IN FEET AT MEAN LOWER LOW WATER

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and LLS. Coast Pilot for details.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercia broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:

(Accurate location) o(Approximate location)

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

Improved channels shown by broken lines are subject to shoaling, particularly at the edges

BADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CALITION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas

Pipeline Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and wher anchoring, dragging, or trawling.

d wells may be marked by lighted or

Table of Selected Chart Notes

12 feet Carrabelle, FL to Brownsville, TX. The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners.

The Waterway is indicated by a magenta line The Waterway is indicated by a magenta in-Mileage distances shown along the Waterway are in Statute Miles, based on zero at Harvey Lock, LA, and are indicated thus:

Tables for converting Statute Miles to Inter-national Nautical Miles are given in U.S. Coast

Courses are TRUE and must be CORRECTED for any variation and compass deviation

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

RULES OF THE ROAD

(ABRIDGED)

Motorless craft have the right-of-way in almost all cases. Sailing vessels and motorboats less than sixty-five feet in length shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.

chainer.

A motorboat being overtaken has the right-of-way.

Motorboats approaching head to head or nearly so should pass port to port.

When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way in most

cases.

Motorboats must keep to the right in narrow channels when safe and practicable.

Mariners are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

WARNINGS CONCERNING LARGE VESSELS

The 'Rules of the Road" state that recreational boats shall not impede the passage of a vessel that can navigate only within a narrow channel or fairway. Large vessels may appear to move slowly due to their large size but actually transit at speeds in excess of 12 knots, requiring a great distance in which to maneuver or stop. A large vessel's superstructure may block the wind with the result that sailboats and sailboards may unexpectedly find themselves unable to maneuver. Bow and stern waves can be hazardous to small vessels. Large vessels may not be able to see small craft close to their bows.

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.

Demarcation lines are shown thus:

HURRICANES AND TROPICAL STORMS

Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored

vessels, resulting in submerged debris in unknown locations.
Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.

Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

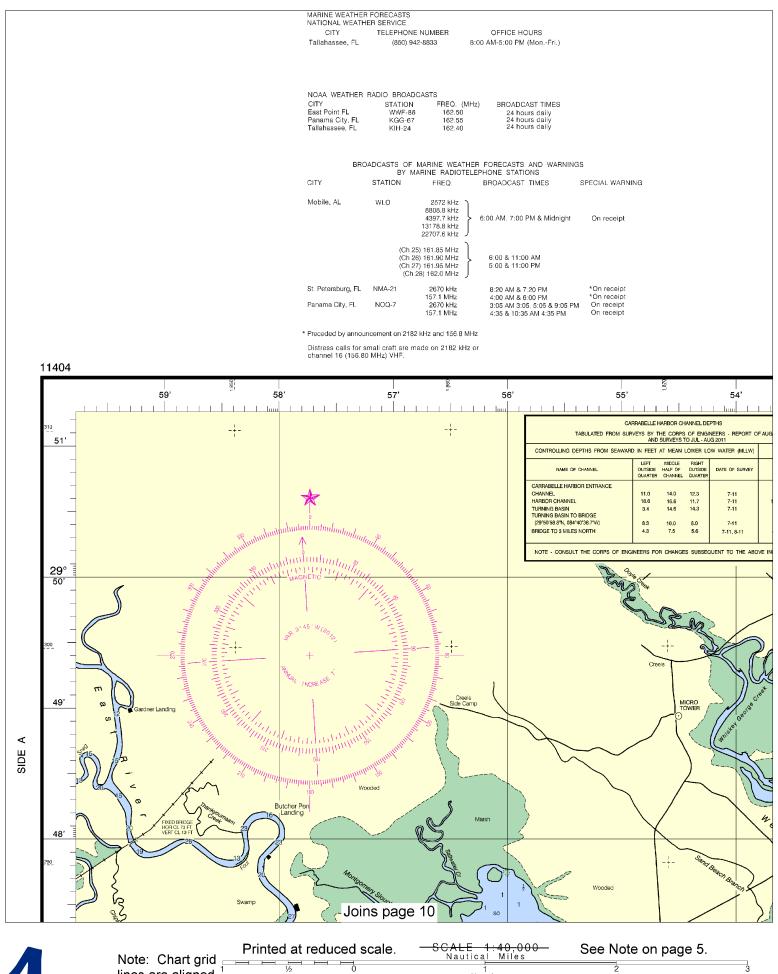
AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

Locations of public marine facilities are shown by large magenta numbers with leaders and refer to the facility tabulation.

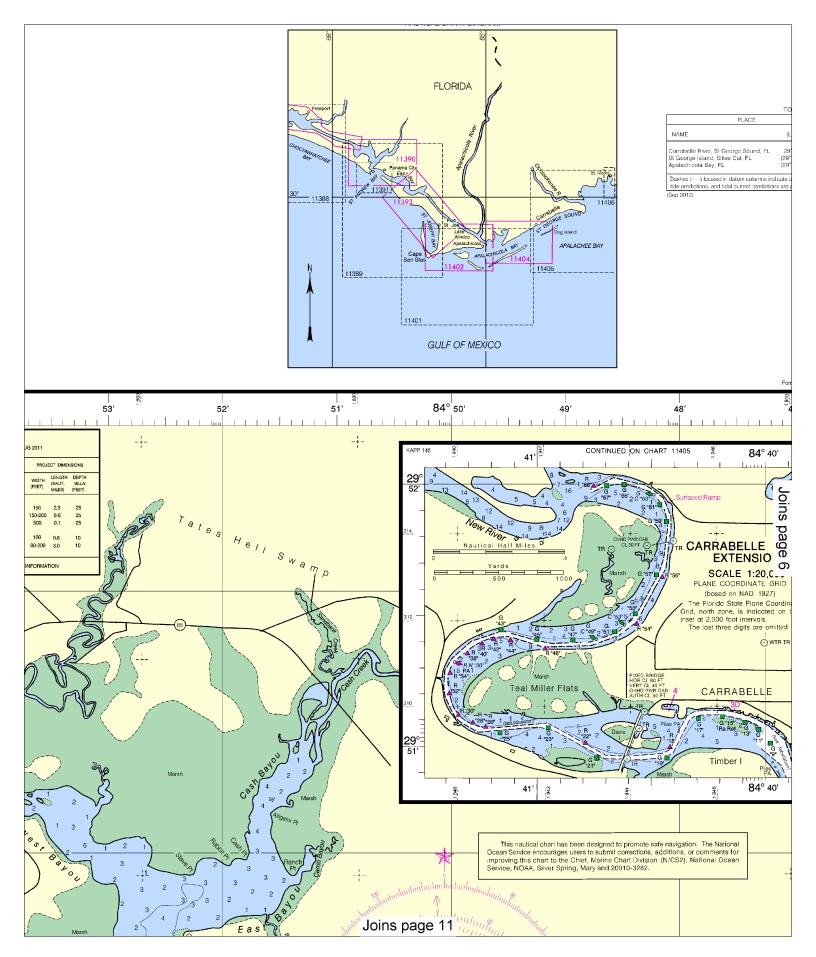
TIDAL INFORMATION				
PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
Carrabelle River, St George Sound, FL St George Island, Sikes Cut, FL Apalach cola Bay, FL	29°51°N/84°40′W (29°37°N/84°57′W) (29°43′N/84°59′W)	1.6	feet 2.4 1.5 1.5	feet 0.8 0.5 0.4

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

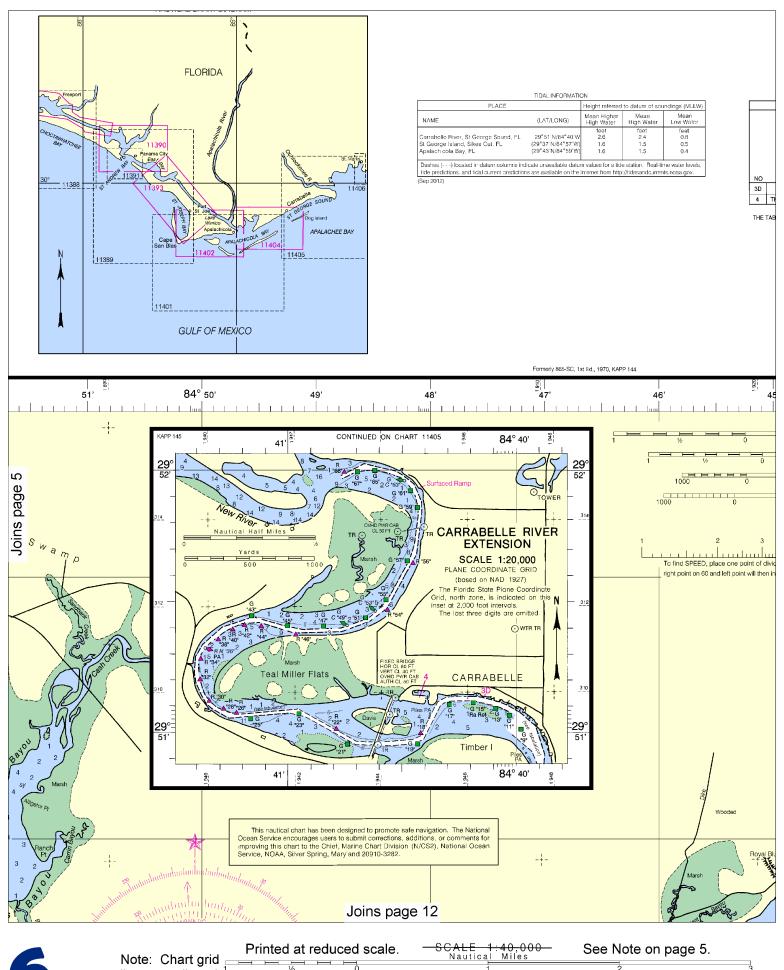


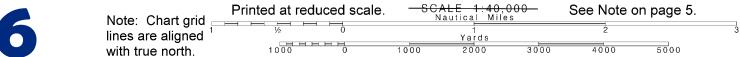


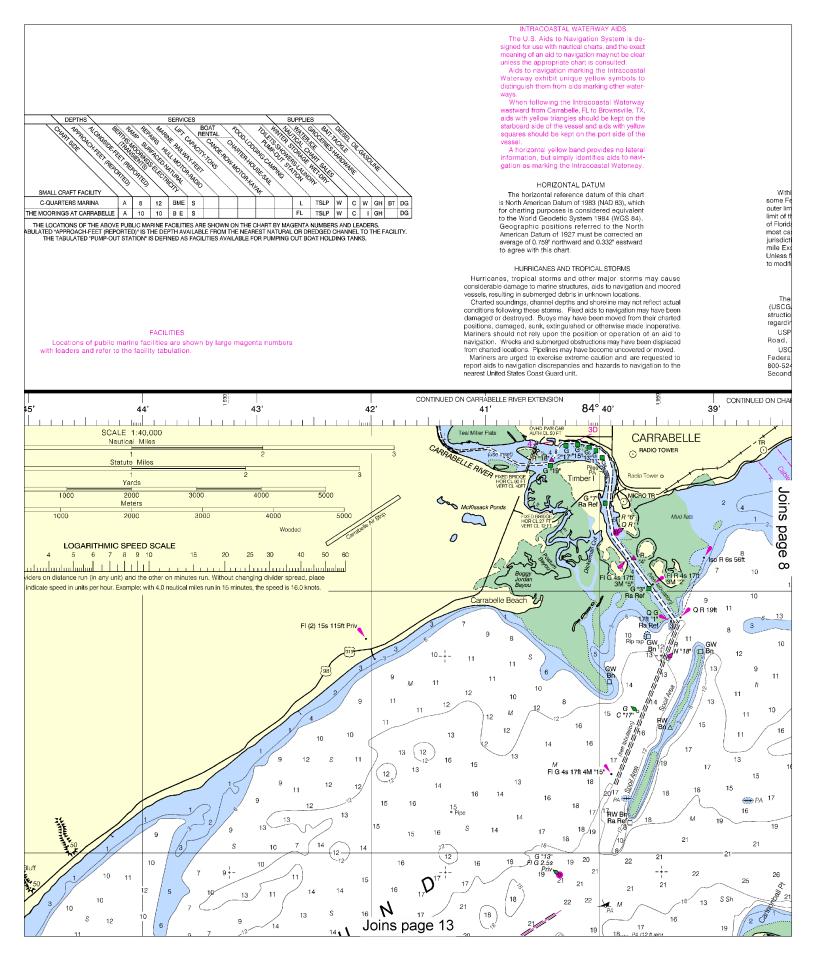
Note: Chart grid lines are aligned Yards 1000 0 with true north. 1000 2000 3000 4000 5000

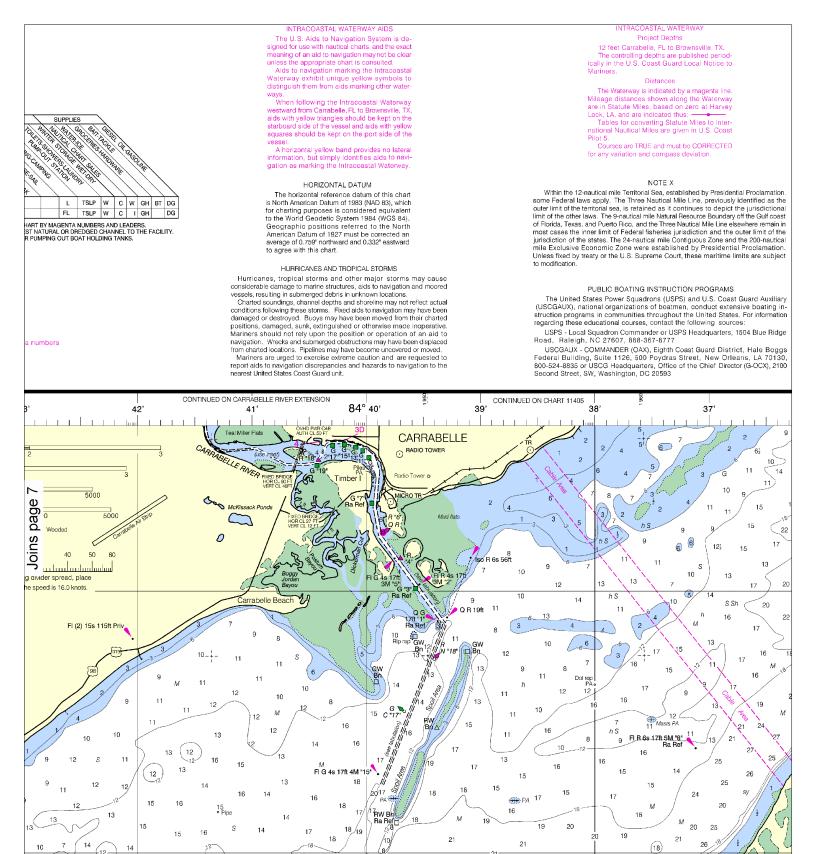


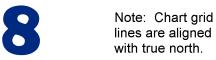
This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:53333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.













Joins page 14

13 S Sh

HEIGHTS Heights in feet above Mean High Water

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 5 for important supplemental information.

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available nauticalcharts.noaa.gov.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless oterwise indicated):
AERO aeronautical G green Mo morse code R TR radio tower Al alternating IQ interrupted quick N nun Rot rotating B black Bn beacon C can OBSC obscured Oc occulting Or orange Iso isophase LT HO lighthou M nautical mile m minutes SEC sector St M statute miles DIA diaphone VQ very quick Q quick E fixed MICRO TR microwave tower R red W white Ba Ref radar reflector WHIS whistle R Bn radiobeacon

Bottom characteristics:

Co coral Blds boulders Oys oysters Rk rock so soft Sh shells bk broken Cy clay G gravel h hard M mud Grs grass S sand sy sticky

PD position doubtful

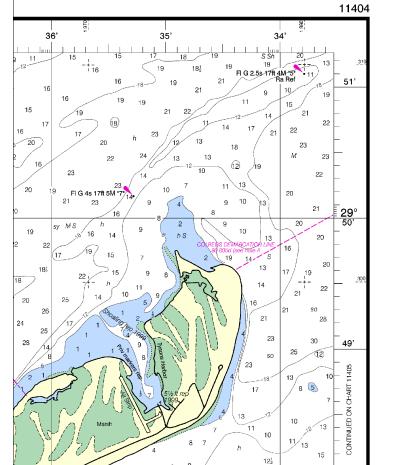
Subm submerged

Miscellaneous: AUTH authorized

Obstn obstruction ED existence doubtful PA position approximate Rep reported 21, Wrock, rock, obstruction, or shoal swept clear to the depth indicated

(2) Rocks that cover and uncover, with heights in feet above datum of soundings COLREGS: International Regulations for Preventing Collisions at Sea, 1972.

Domarcation lines are shown thus:



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48'

Joins page 15



FLORIDA CARRABELLE TO APALACHICOLA BAY

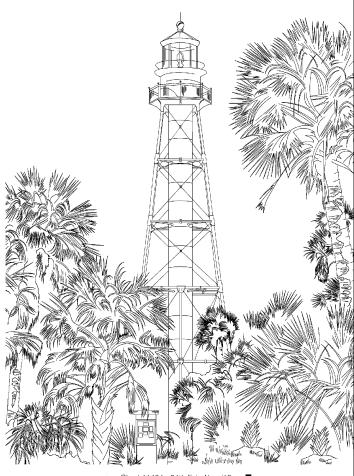


Chart 11404 24th Ed., Nov /12 ■
Corrected through NM Nov 24/12, LNM Nov 13/12
Published at Washington, D.C. U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE COAST SURVEY

Additional information can be obtained at nauticalcharts.noaa.gov



NSN 7642014010239 NGA REFERENCE NO. 11XHA11404



Mercator Projection Scale 1:40,000

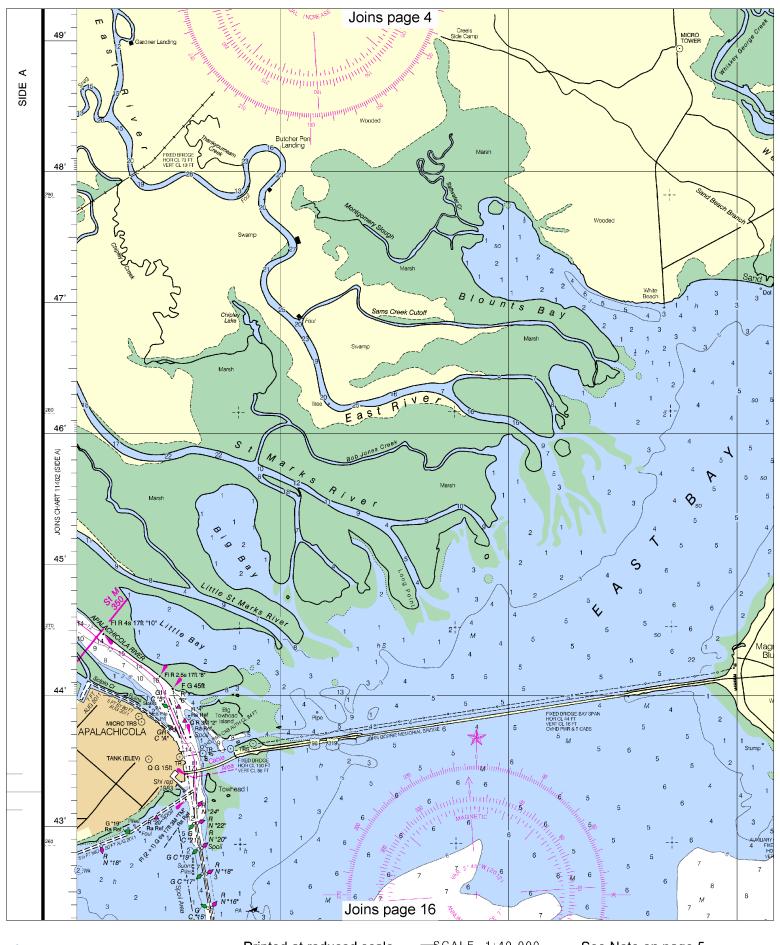
North American Datum of 1983 (World Geodetic System 1984)

SOUNDING IN FEET AT MEAN LOWER LOW WATER

CAUTION

Limitations on the use of radio signals as

SIDE



Note: Chart grid lines are aligned with true north.

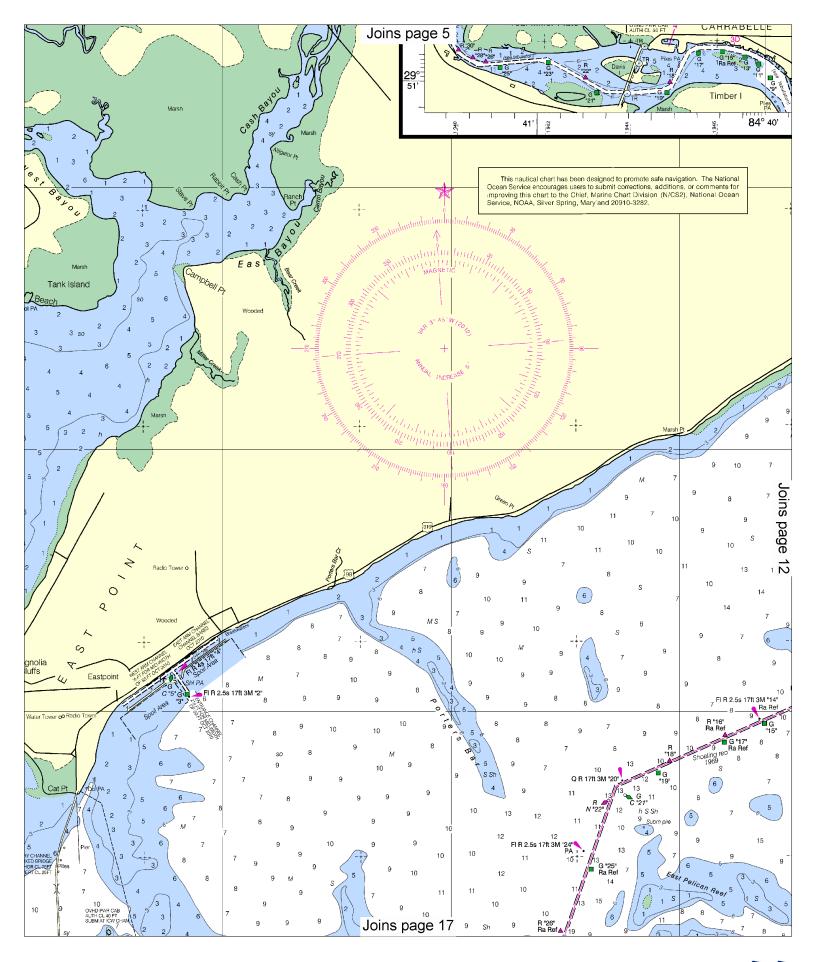
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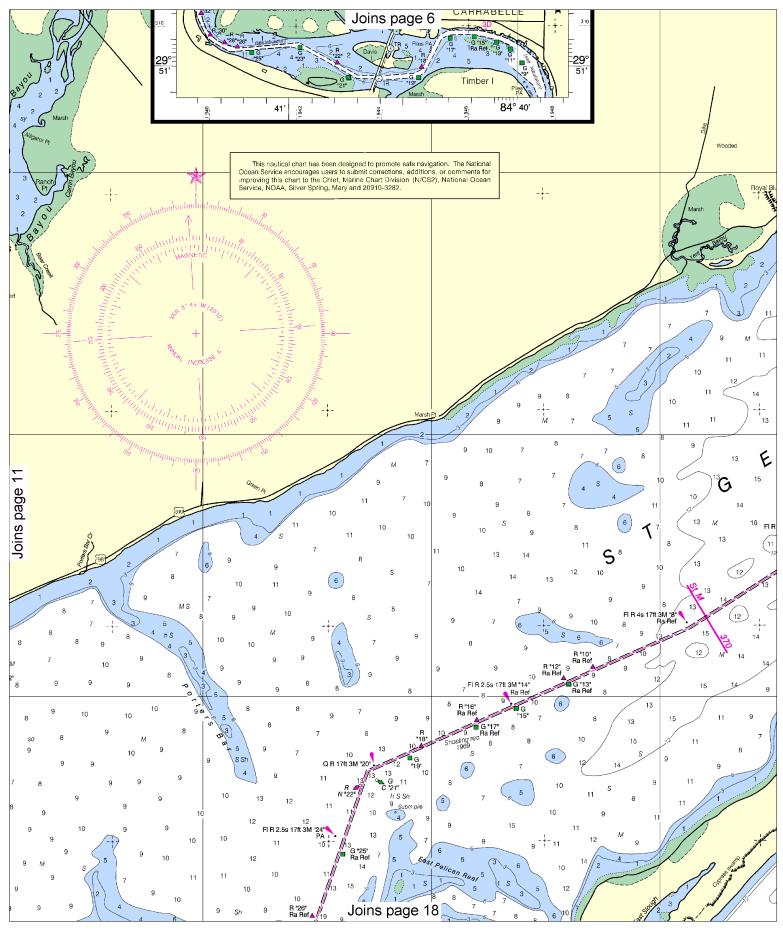
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Nautical Miles

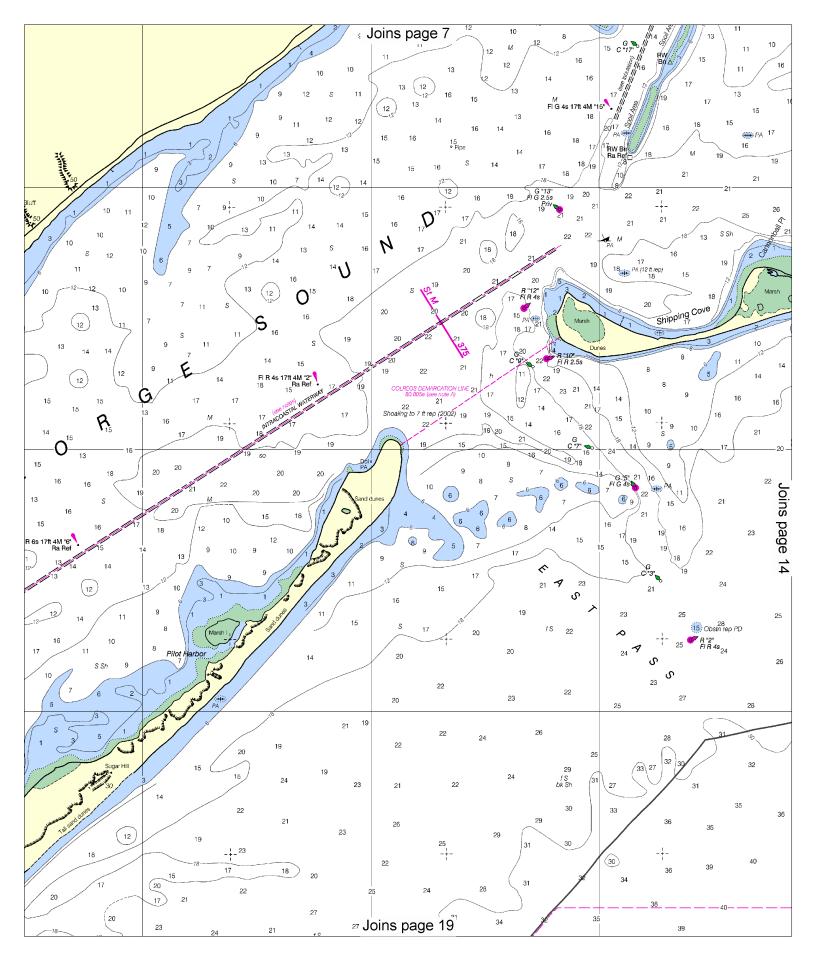
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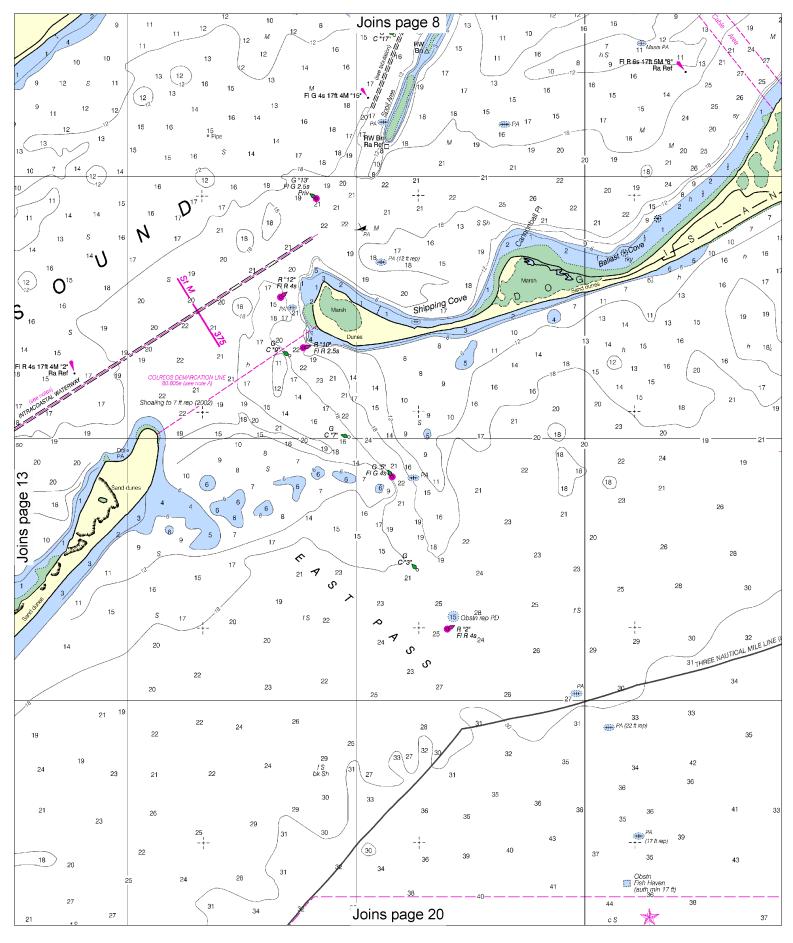
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Note: Chart grid lines are aligned with true north. Printed at reduced scale. SCALE 1:40,000 See Note on page 5. $\frac{\text{SCALE 1:40,000}}{\text{Nautical Miles}} = \frac{\text{See Note on page 5.}}{\text{Nautical Miles}}$





Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.

Yards

1000 0 1000 2000 3000 4000 5000

Published at Washington, D.C U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE COAST SURVEY

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NGA REFERENCE NO. 11XHA11404

Mercator Projection Scale 1:40,000

North American Datum of 1983 (World Geodetic System 1984)

SOUNDING IN FEET AT MEAN LOWER LOW WATER

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by useful with a very limit as well as the commercial broadcasting stations are subject to error and obtained by useful with a very limit as well as the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to error and obtained by the commercial broadcasting stations are subject to

should be used with caution.
Station positions are shown thus:

(Accurate location) o(Approximate location)

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas

^^^ Pipeline Area Cable Area

Additional uncharted submarine pipelines and Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when subcharing descript or traviline.

anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

PRINT-ON-DEMAND CHARTS

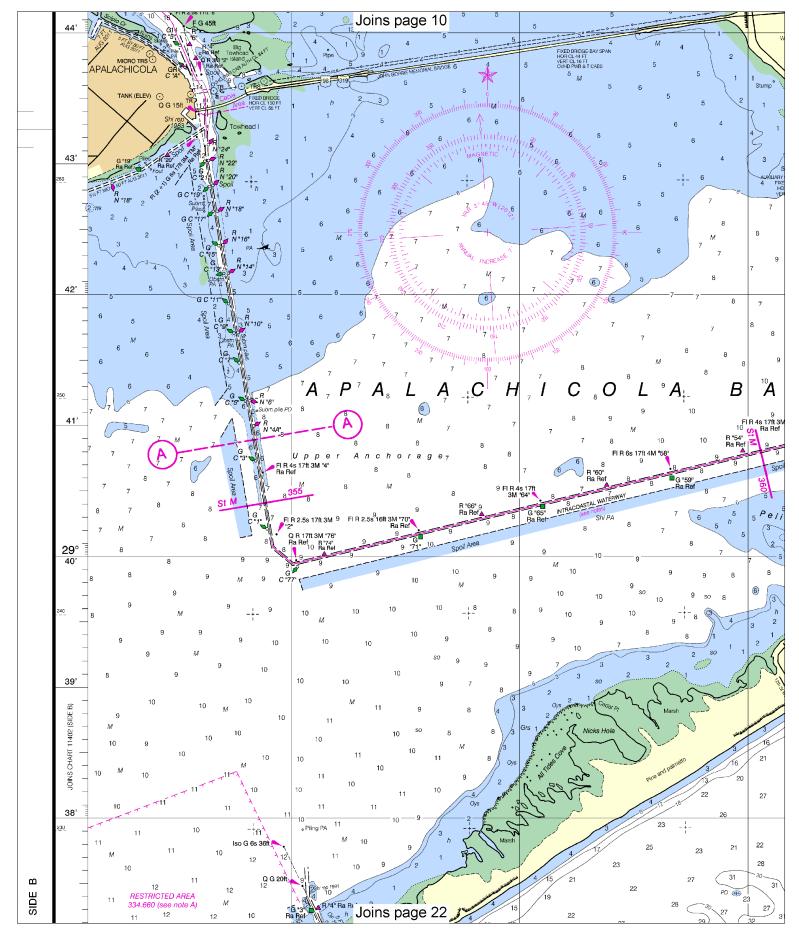
NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 2-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact. NOAA at http://ocea.doi.org/10.1006/j.chi.org/10.10 http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx, or OceanGrafix at 1-877-56CHART or http://www.oceangrafix.com.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

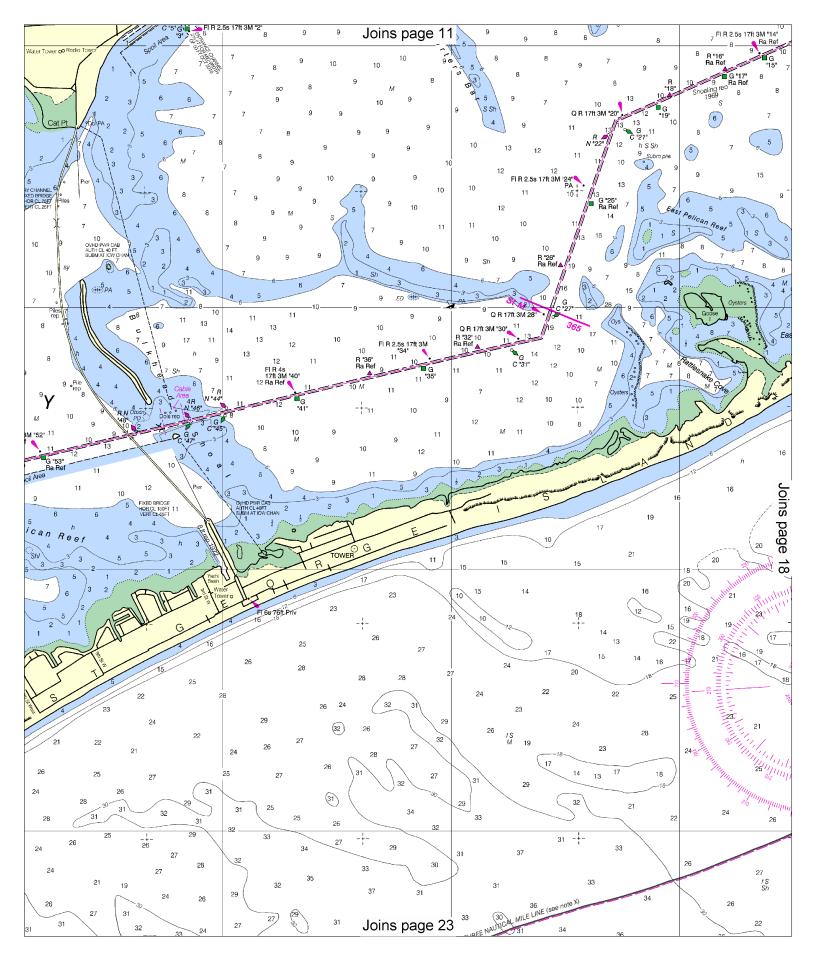
NOTE A

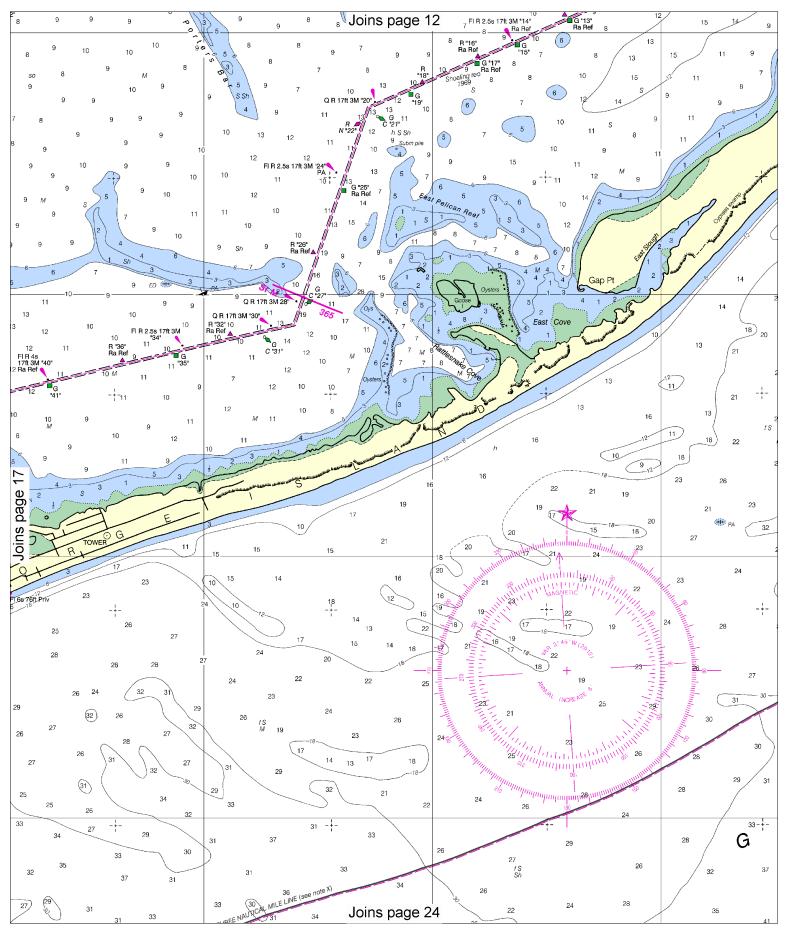
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are pub



Printed at reduced scale. SCALE 1:40,000 See Note on page 5.

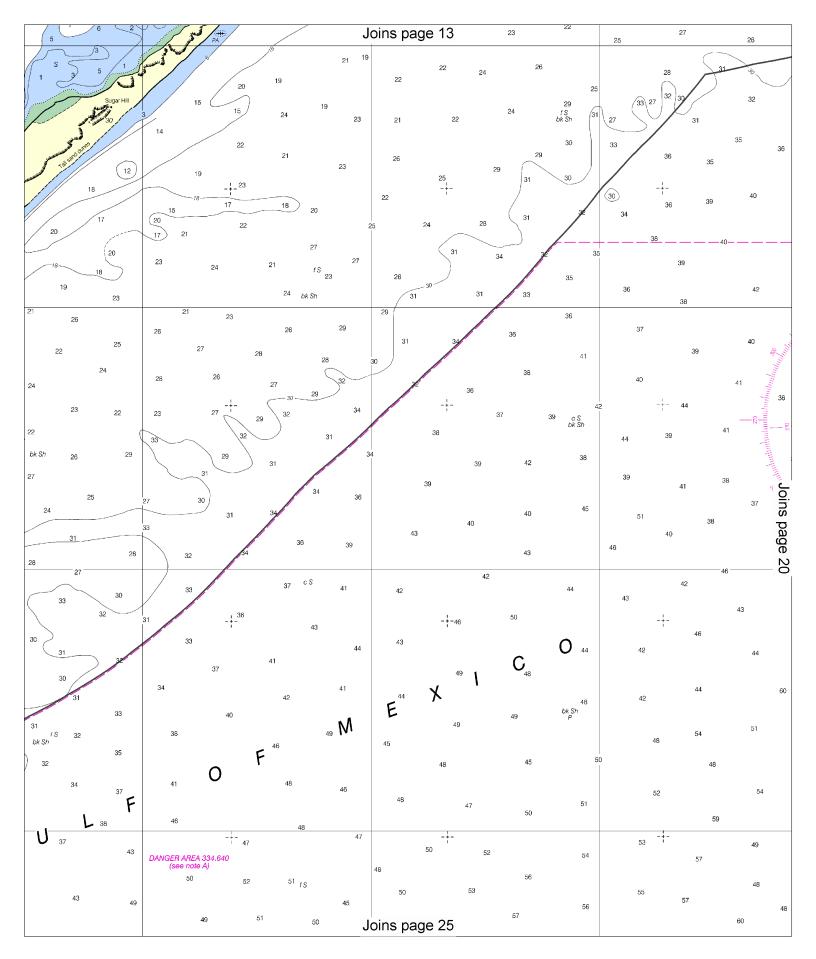
Note: Chart grid lines are aligned with true north.

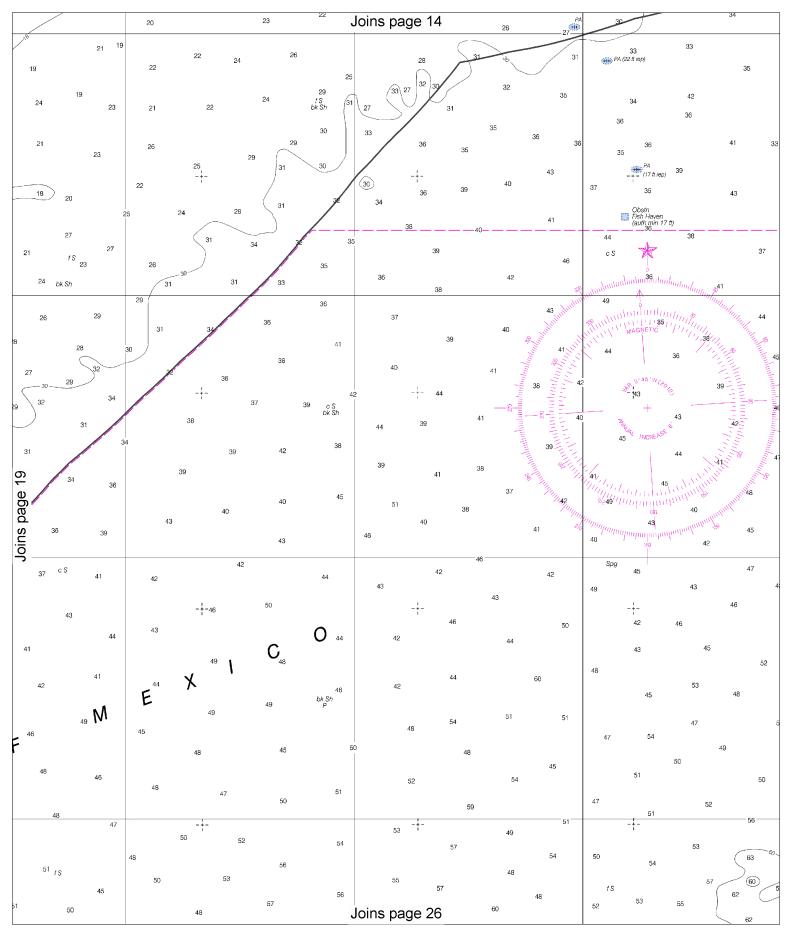




Note: Chart grid lines are aligned with true north.







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POLLUTION REPORTS

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NOTE A

Notice A

Navigation regulations are published in Chapter 2, U.S.

Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 8th Coast Guard District in New Orleans, LA or at the Office of the District Engineer, Corps of Engineers in Mobile, AL.
Refer to charted regulation section numbers.

PLANE COORDINATE GRID (based on NAD 1927)

Florida State Grid, north zone, is indicated by dashed ticks at 10,000 foot intervals, thus: -+The läst three digits are amitted.

RULES OF THE ROAD (ABRIDGED)

Motorless craft have the right-of-way in almost all cases. Sailing vessels and motorboats less than sixty-five feet in length shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that

A motorboat being overtaken has the right-of-way.
Motorboats approaching head to head or nearly so should
pass port to port.
When motorboats approach each other at right angles or

obliquely, the boat on the right has the right-of-way in most

Cases.

Motorboats must keep to the right in narrow channels when safe and practicable.

Mariners are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

SAFETY HINTS

- Keep your chart up to date by applying all Notice to Mariners corrections when you receive them.
 Read carefully all notes printed on you chart, each is vital to your safety afloat.
 Learn the meaning of each symbol and abbreviation on your chart from Chart No. 1.
 The compass on your chart shows the variation from true north, however you must also correct your bearing
- 4. The compass on your chart shows the variation from true north, however you must also correct your bearing for the deviation of your boat.

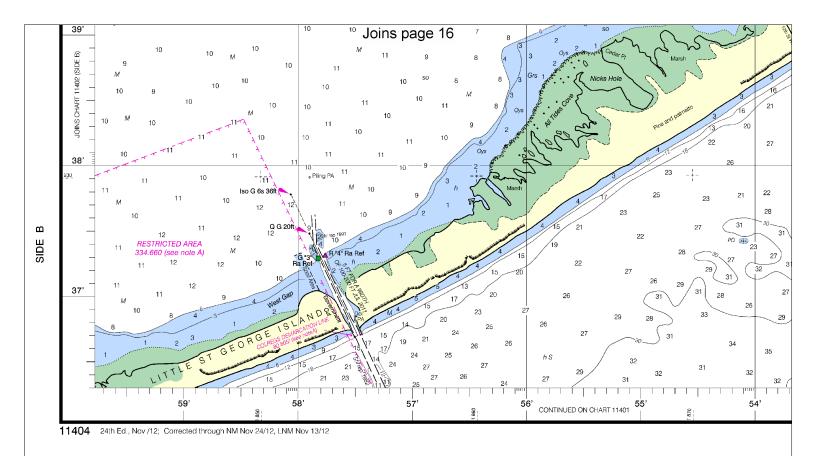
 5. Constantly use your chart from the beginning to end of each tirp. Keep in mind the orientation of your boat with respect to the chart.
- Maintain your position on the chart by relating charted features with those you can identify in your surroundings

WARNINGS CONCERNING LARGE VESSELS

The "Rules of the Road" state that recreational boats shall not impede the passage of a vessel that can navigate only within a narrow channel or fairway. Large vessels may appear to move slowly due to their large size but actually transit at speeds in excess of 12 knots, requiring a great distance in which to maneuver or stop. A large vessel's superstructure may block the wind with the result that sallboats and sallboats area unexpectedly find themselves. sailboats and sailboards may unexpectedly find themselves unable to maneuver. Bow and stern waves can be hazardous to small vessels. Large vessels may not be able to see small craft close to their bows.

RADAR REFLECTORS

Radar reflectors have been placed on many



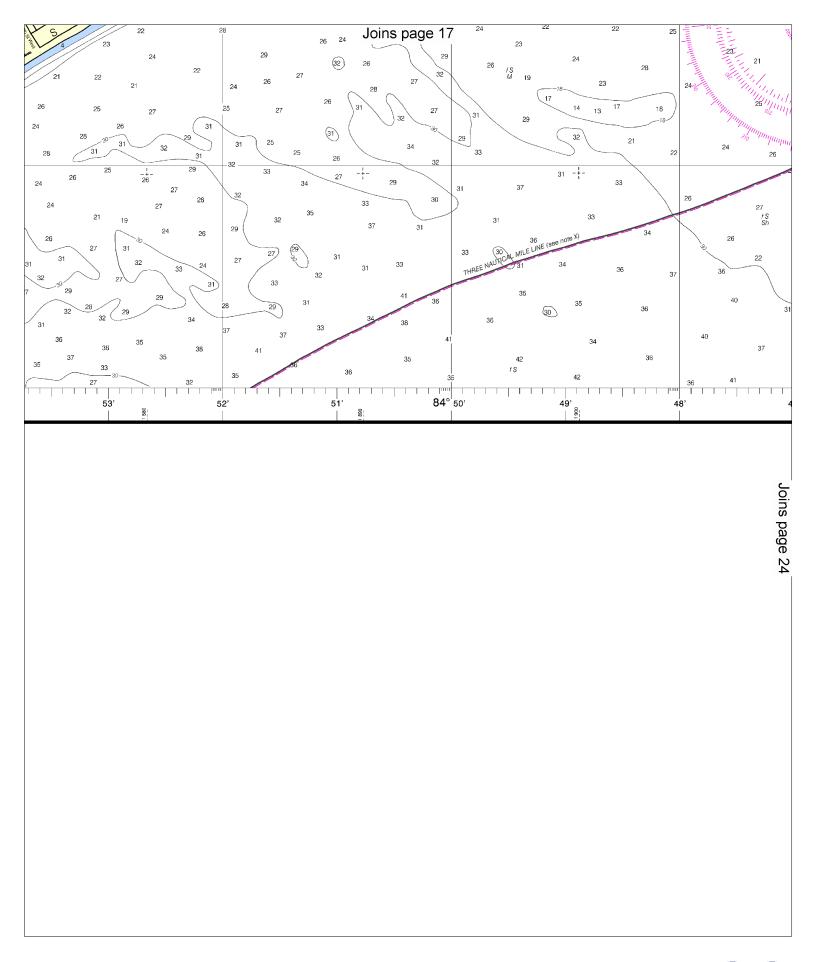
Note: Chart grid lines are aligned with true north.

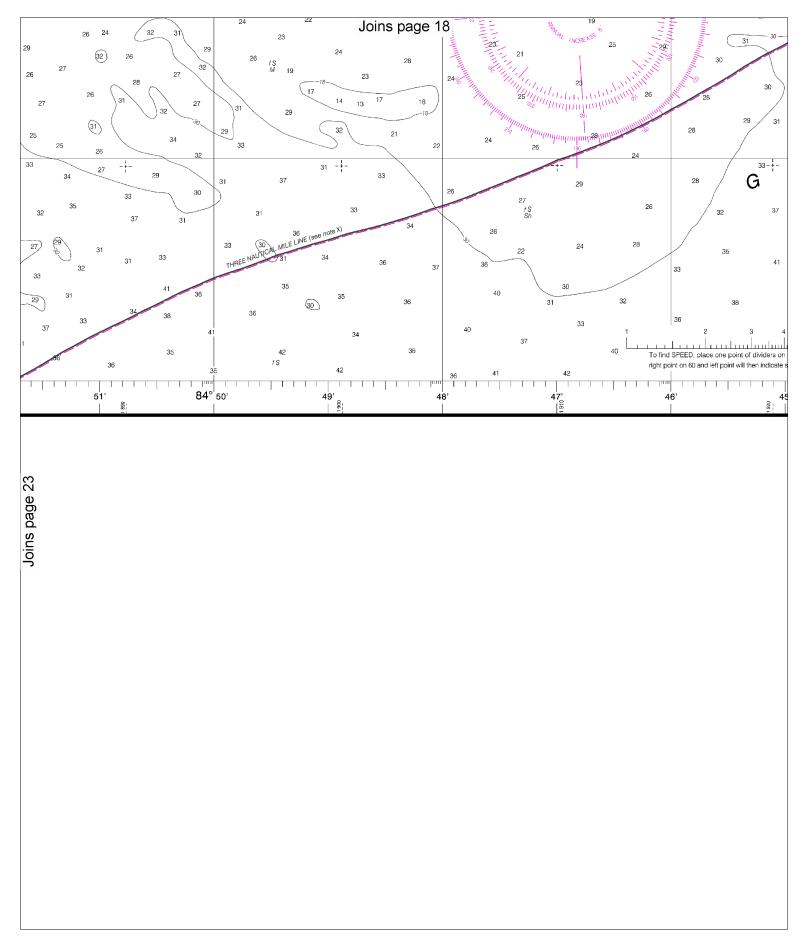
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SCALE 1:40,000
Nautical Miles

Yards

1000 0 1000 2000 3000 4000 5000





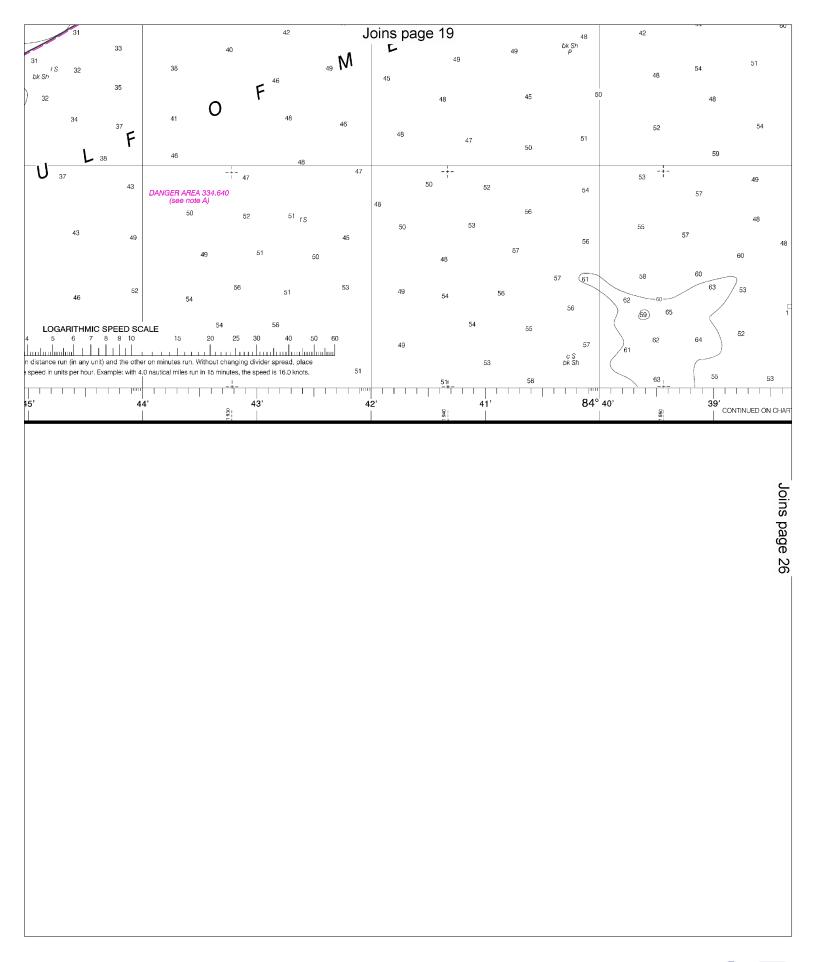
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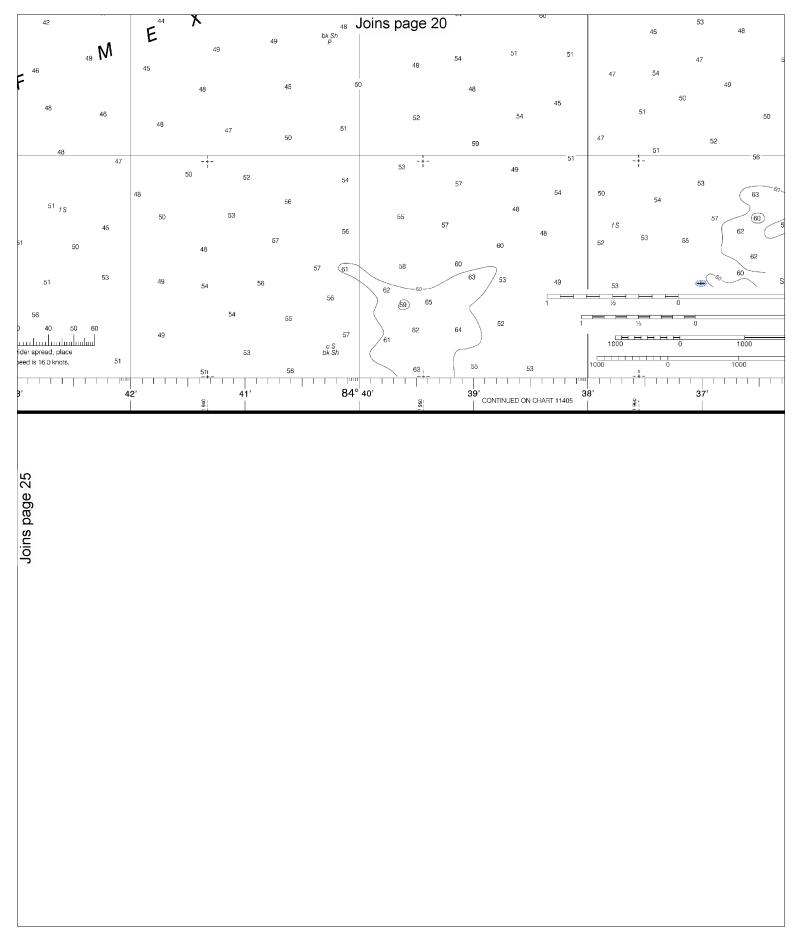
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SCALE 1:40,000
Nautical Miles

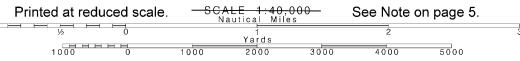
Yards

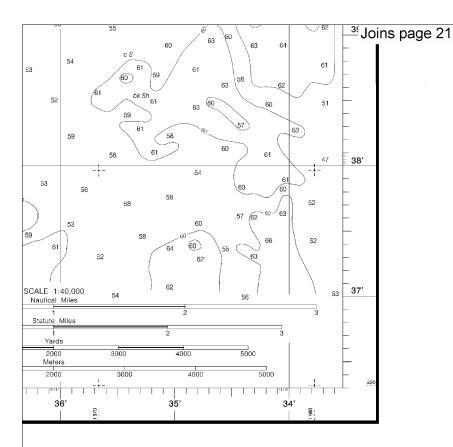
1000 0 1000 2000 3000 4000 5000





Note: Chart grid lines are aligned with true north.





with respect to the chart

Maintain your position on the chart by relating charted features with those you can identify in your surroundings

CAUTION

WARNINGS CONCERNING LARGE VESSELS

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The "Rules of the Road" state that recreational boats shall not impede the passage of a vessel that can navigate only within a narrow channel or fairway. Large vessels may appear to move slowly due to their large size but actually transit at speeds in excess of 12 knots, requiring a great distance in which to maneuver or stop. A large vessel's superstructure may block the wind with the result that sailboats and sailboards may unexpectedly find themselves unable to maneuver. Bow and stern waves can be hazardous to small vessels. Large vessels may not be able to see small craft close to their bows.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

Small craft should stay clear of large com-

Small craft should stay clear or large com-mercial and government vessels even if small craft have the right-of-way. All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.



VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Online chart viewer — http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html

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Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

